

Replacing the DosiClip[®] with a PeriClip[®] pump

In order to use a PeriClip pump in your Testomat device, you first need to update the software of your Testomat device. To do so, replace the EPROM of the Testomat device as described in the chapter “Replacing the EPROM” which begins on page 4.

If you do not have a new EPROM to hand, please contact your customer service.

Please completely fill out the checklist for recording the programmed parameters (attached in the manual) and make a note of the correction factor.

Dismantling the DosiClip pump

For replacement, please proceed as described below:

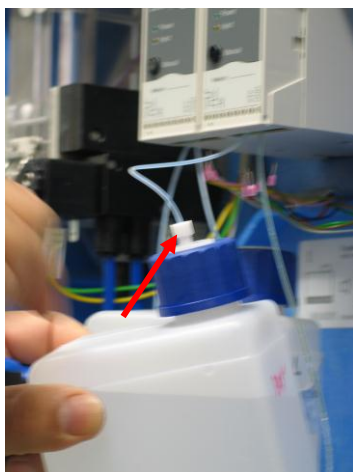
Step 1

- Switch off the device.

Step 2

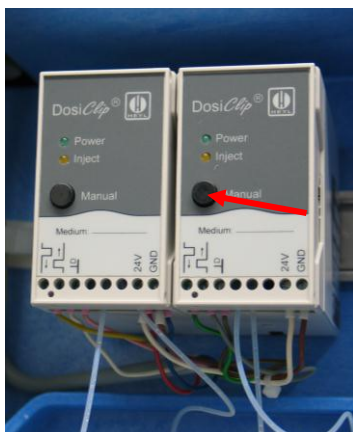
- Remove the pressure and suction hoses from the measuring chamber.

Attention: Please note the manufacturer's instructions on the safe handling of chemicals. Refer to the respective safety data sheet.



Step 3

- Flush the pump hoses with water to remove any reagent residues. To do this, press the “Manual” button on the DosiClip pump.

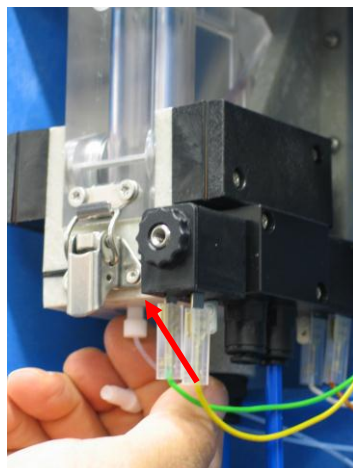


Step 4

- Make sure the measuring chamber is empty. If there is water in the measuring chamber, empty it. To do this, start the instrument in the adjust mode and empty the measuring chamber by opening the discharge valve (see also manual).

Step 5

- Remove the pressure and suction hoses from the measuring chamber.





Step 6

- Loosen the five cables from the terminal connections using a suitable screwdriver.



Step 7

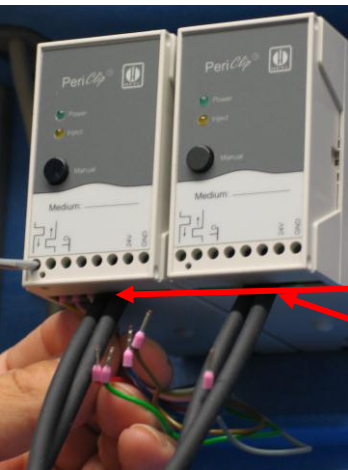
- Use a screwdriver to push the lock of the pump housing downwards and remove the DosiClip pump from the top.

Installing the PeriClip pump



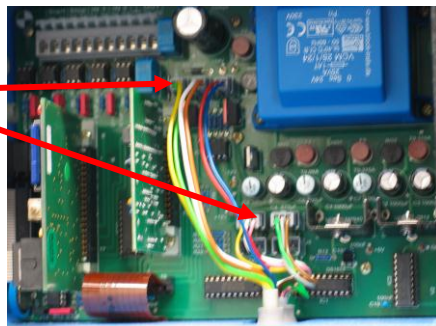
Step 8

- First, place the PeriClip pump on top of the DIN rail and push the housing downwards until the lock engages.



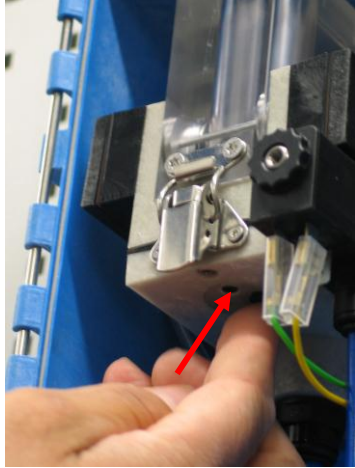
Step 9

- Reconnect the cables (observe the colour sequence!).
The colour sequence is the same as for the connectors on the circuit board.



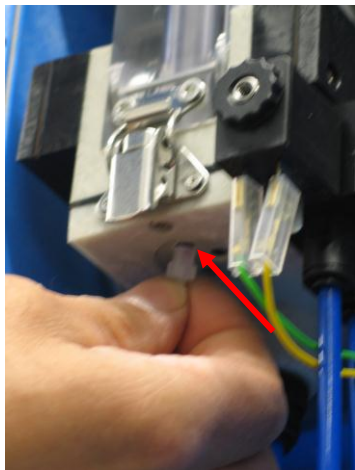


Insert the seal ① and the hose connector ② (conversion kit hose connection PeriClip for measuring chamber holder Art. no. 40359) into the measuring chamber holder as follows:



Step 10

- First, insert the seal into the drill hole.
If the seals slips out of the drill hole, wet the seal with a little water.



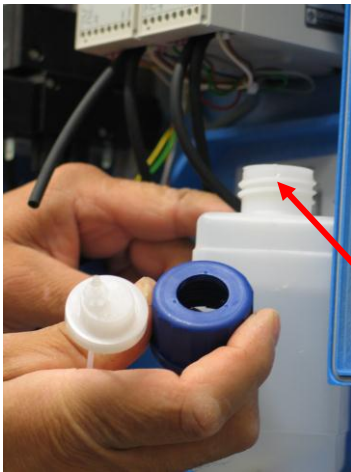
Step 11

- Screw the hose connector by hand.



Step 12

- Insert the pressure hose (long hose) of the PeriClip over the hose connector.



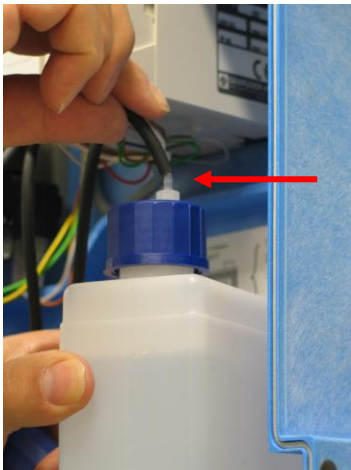
Attention: Please note the manufacturer's instructions on the safe handling of chemicals at the steps 13 to 15. Refer to the respective safety data sheet.

Step 13

- Loosen the screw fastening from the bottle and remove the suction set.

Step 14

- Place the new suction set (art. no. 37644 for 500 ml bottle, 37645 for 100 ml bottle) on the bottle and tighten the screw fastening.

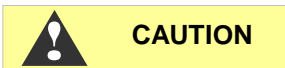


Step 15

- Insert the suction hose (short hose) by hand into the hose connector of the insert.

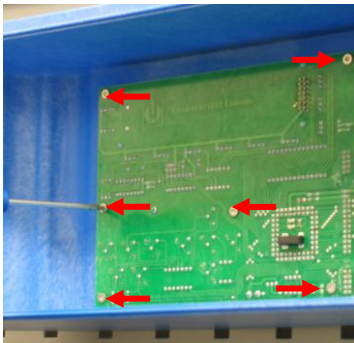
Replacing the EPROM (software update)

(Required tool: Torx 8 – tool kit art. no. 40138)



Avoid static charges during installation/de-installation and observe the direction of installation!

Non-adherence can result in damage to or destruction of the electronic components on the circuit board or of the EPROM.

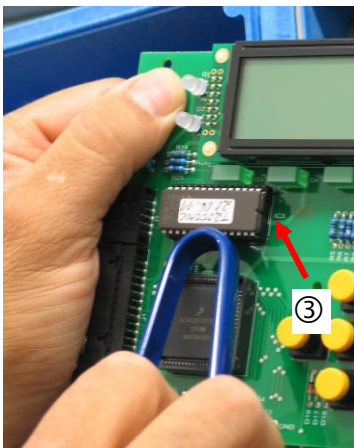


Step 1

- Switch off the device.

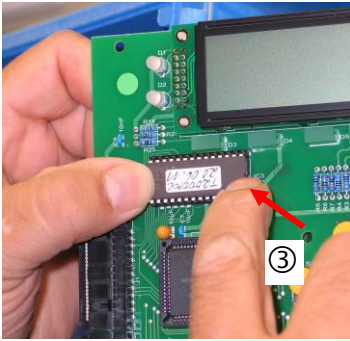
Step 2

- Loosen the six fastening screws of the display circuit board (in the upper door).



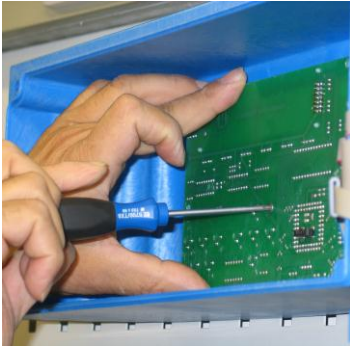
Step 3

- Carefully remove the EPROM from the socket using EPROM pliers. (Please make a note of the direction of the marking ③).



Step 4

- Carefully insert the new EPROM. Make sure the marking ③ is on the correct side. Do not tilt the EPROM and do not bend any pins when inserting.



Step 5

- Fasten the display circuit board.

Step 6

- Switch the device on again.

Resetting the counter for maintenance of the pump head

Reset the counter for the run time of the pump head in the Testomat device. The maintenance message for the pump head is displayed after 150 operating hours.

Proceed as follows:

- Select the following in the program menu:
 >Service I -> Confirm pump head
- Press ENTER.
 The counter has now been reset.

| | |
|---------------------|-------|
| >SERVICE I | ▼▲ ME |
| Input reagents | |
| Manual operation | |
| Confirm maintenance | |
| Confirm pump head 1 | |
| Confirm pump head 2 | |
| Diagnosis | |

NOTE

Depressurise the lines by pressing the “Manual” button before performing any further analyses.

Check settings

- Check the settings of the instrument, especially the setting of the factor. If necessary check the factor under laboratory conditions (see manual page 24).

